MTP U T A D

UNIVERSAL TWISTED PAIR TRANSMITTER - DECORA® WALLPLATE

- Transmits RGBHV, HD component video, S-video, or composite video, plus summed mono audio signals over a single CAT 5-type cable
- Supports RGBHV, RGBS, RGsB, RsGsBs, component video, S-video, and composite video
- Compatible with HDTV component video, bi-level or tri-level sync
- Auto-input switching
- EDID emulation mode
- Switchable video output pre-peaking
- Contact closure remote control
- Mounts in an included two-gang Decora-style wallplate
- Compatible with all Extron MTP Series Twisted Pair products

The Extron MTP U T A D is a Universal Twisted Pair Transmitter designed with multiple video and audio inputs that can be installed in any two-gang Decora-style wallplate. It offers dedicated inputs for VGA, HD component, S-video, and composite video with audio, and automatically switches to the active source, transmitting the signal over a single CAT 5-type cable. The Universal Transmitter eliminates the need for multiple transmitter units and multiple cables for each source and reduces the number of switcher inputs required.

DESCRIPTION

The Extron **MTP U T A D** is a two-gang Decora-style, Universal Twisted Pair Transmitter with dedicated VGA, HD component video, S-video, composite video, and audio inputs for sending a wide variety of video signals along with summed mono audio signals over a single CAT 5-type cable. To take full advantage of the transmitting capabilities of the MTP U T A D, it is ideally paired with Extron Universal MTP receivers, providing dramatic cost savings, design flexibility, and superior performance in complex twisted pair switching and matrix switching applications.

With features including EDID emulation, auto-input switching, contact closure remote control for input selection, buffered local monitor output, and switchable video output pre-peaking, the MTP U T A D offers flexible operation and full compatibility with the entire MTP Twisted Pair line.

The MTP U T A D provides two stereo audio inputs, one input on a 3.5 mm mini jack for the computer input, and one input on RCA for the video inputs. The input flexibility and auto-input switching capability of the MTP U T A D make it an ideal MTP transmitter for auxiliary inputs to the MTP SW6 twisted pair switcher, as well as MTPX and MTPX Plus twisted pair matrix switchers, further expanding the input capability of these switchers. The auto-input switching feature automatically selects and transmits an active video and audio signal without user interaction. The MTP U T A D is ideal for use in applications that require multiple video formats and audio to be selected or switched into a system.

FEATURES

- **Transmits RGBHV, HD component video, S-video or composite video, plus summed mono audio signals over a single CAT 5-type cable**
- **Supports RGBHV, RGBS, RGsB, RsGsBs, component video, S-video, and composite video**
- **Compatible with HDTV component video, bi-level or tri-level sync**
- **Auto-input switching** – Automatically switches to the highest-quality input with an active video signal
- **EDID emulation mode** – A selectable feature for specifying the rate of the incoming VGA signal, EDID emulation mode allows proper source operation when no local monitor is present
- **Switchable video output pre-peaking** – Provides additional compensation for optimal performance on the longest cable runs, ensuring the highest-quality signal at the display
- **Contact closure remote control** – Allows for remote selection of video and audio inputs
- **Mounts in an included two-gang Decora-style wallplate**
- **Compatible with all Extron MTP Series Twisted Pair products** – Works with MTP Series Twisted Pair products, including transmitters, distribution amplifiers, switchers, and matrix switchers to create a wide range of simple and complex A/V systems

UNIVERSAL MTP TRANSMITTERS AND RECEIVERS - An Ideal Pairing

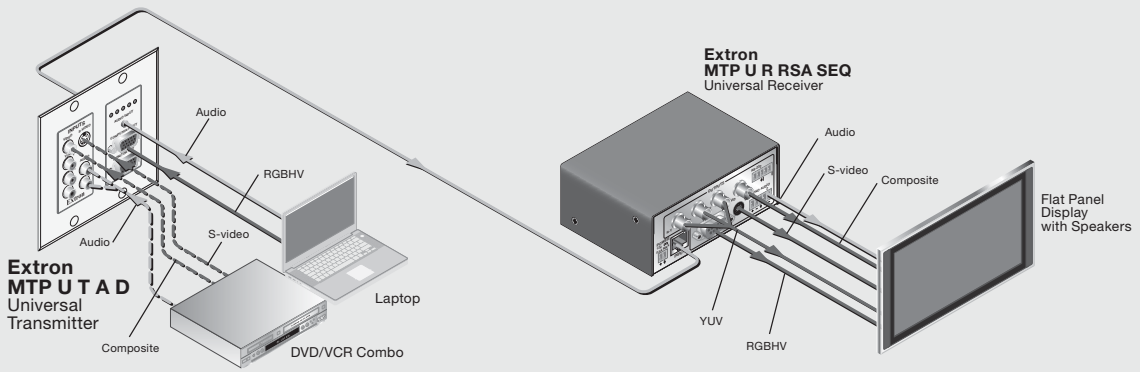
When the Extron Universal MTP Transmitter is paired with Extron Universal MTP Receivers, they offer integrators and designers a unique twisted pair system that saves time and money.

Simplified design - A single universal transmitter and receiver pair can replace up to four individual dedicated transmitters and four individual dedicated receivers. This also reduces the number of inputs and outputs required on any switching components in the system.

Flexible system design - One universal transmitter and receiver pair provides all that is needed to handle most signal requirements. The MTP U T A D provides the ability to distribute of RGBHV, HD component video, S-video, composite video, and audio with no additional hardware.

Easier installation - A single universal transmitter and receiver pair provides a substantial reduction in equipment and cabling requirements. There are fewer cables to pull with the ability to route multiple signal sources over a single CAT 5-type cable.

Reduced labor and equipment costs - Installation time will decrease with less product to install, less rack space, and overall reduced cabling. Controlling the system is simpler too.



VIDEO

Gain	Unity
Number/signal type	1 set of proprietary analog signals
Connectors	1 female RJ-45

VIDEO INPUT AND LOOP THROUGH

Number/signal type	1 analog RGBHV, RGBS, RGsB, RsGsBs, component video, S-video, or composite video input 1 component video (YUV bi-level or tri-level sync) 1 S-video 1 composite video 1 buffered RGBHV, RGBS, RGsB, RsGsBs, component video, S-video, or composite video loop through
Connectors	1 female 15-pin HD (RGB) 3 RCA (component video) 1 female 4-pin mini DIN (S-video) 1 RCA (composite video) 1 female 15-pin HD (RGB buffered loop through)
Nominal level	1 Vp-p for Y of component video and S-video, and for composite video 0.7 Vp-p for RGB and for R-Y and B-Y of component video 0.3 Vp-p for C of S-video
Minimum/maximum levels	0.3 V to 1.45 Vp-p
Impedance	75 ohms
Horizontal frequency	15 kHz to 130 kHz
Vertical frequency	30 Hz to 150 Hz
Return loss	<-30 dB @ 5 MHz
DC offset (max. allowable)	250 mV

SYNC

Input type	RGBHV, RGBS, RGsB, RsGsBs
Standards	NTSC 3.58, NTSC 4.43, PAL, SECAM
Input level	3.5 V to 5.5 Vp-p, unterminated
Input impedance	573 ohms ±5%
Max. input voltage	5.5 V p-p
Polarity	Positive or negative (follows input polarity)

AUDIO

Number/signal type	1 set of proprietary analog signals
Connectors	1 female RJ-45
Gain	Unbalanced output: 0 dB; balanced output: +6 dB
Frequency response	20 Hz to 20 kHz, ±1 dB
THD + Noise	0.15% @ 1 kHz, 0.3% @ 20 kHz at nominal level
S/N	>70 dB at maximum output (unweighted)
Stereo channel separation	>60 dB @ 1 kHz
CMRR	>43 dB @ 20 Hz to 20 kHz

AUDIO INPUT

Number/signal type	2 stereo, unbalanced
Connectors	(1) 3.5 mm mini stereo jack 1 pair female RCA
Impedance	>10k ohms, unbalanced
Nominal level	+4 dBu (1.23 Vrms), -10 dBV (316 mVrms)
Maximum level	+18 dBu, (unbalanced) at 1%THD+N

NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV ≈ 2 dBu

GENERAL

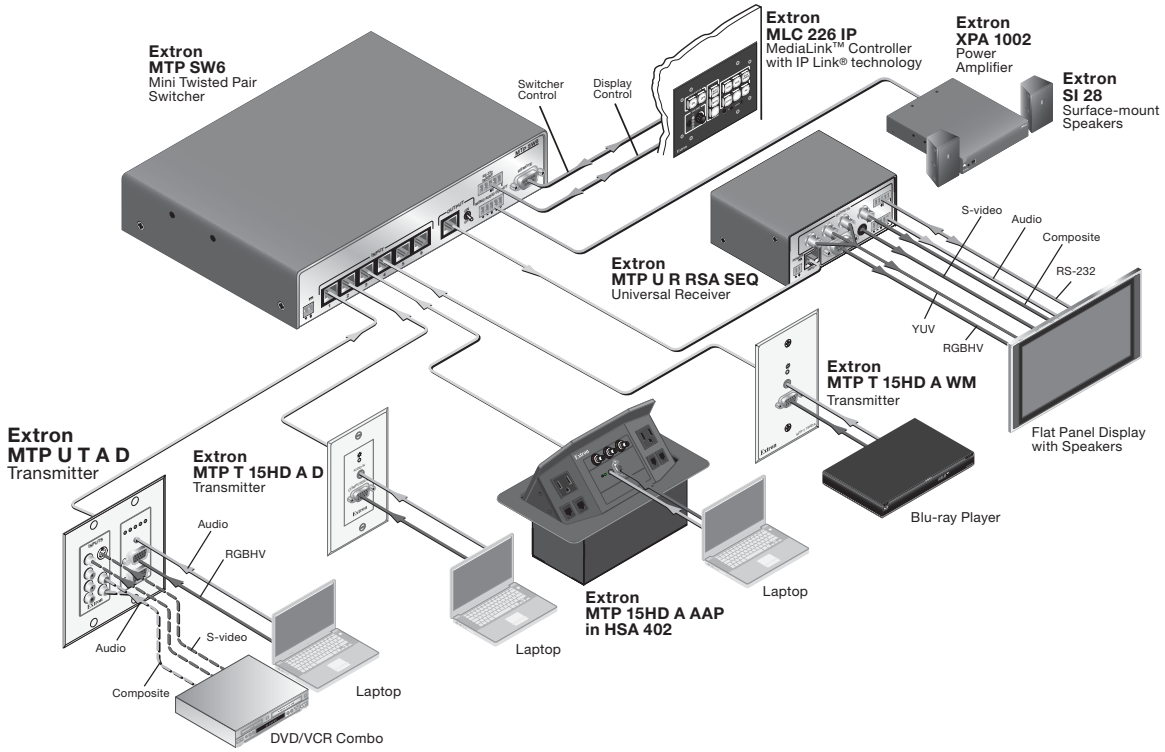
Recommended cable type	CAT 5/5e/6 (shielded or unshielded)
External power supply	100 VAC to 240 VAC, 50-60 Hz, external; to 12 VDC, 2 A, regulated
Power input requirements	12 VDC, 0.5 A
Temperature/humidity	Storage: -40 to +158 ˚F (-40 to +70 ˚C) / 10% to 90%, noncondensing Operating: +32 to +122 ˚F (0 to +50 ˚C) / 10% to 90%, noncondensing
Cooling	Convection, no vents
Mounting	
Rack mount	No
Furniture mount	Wall or furniture mountable in a Decora®-style opening
Enclosure type	Metal
Enclosure dimensions	
Faceplates	Two [2.6" H* x 1.3" W x 0.2" D (6.6 cm H* x 3.3 cm W x 0.6 cm D)] (Fits the openings in a 2 gang Decora faceplate.) *Height is 3.8" [9.7 cm] including mounting tabs.
Device	Two [2.7" H x 3.2" W x 1.4" D (6.9 cm H x 8.1 cm W x 3.6 cm D)] (Depth excludes connectors.)
Product weight	0.4 lbs (0.2 kg)
Shipping weight	2 lbs (1 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety	CE, CUL, UL
EMI/EMC	CE, C-tick, FCC Class A, ICES, VCCI
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE: All nominal levels are at ±10%.

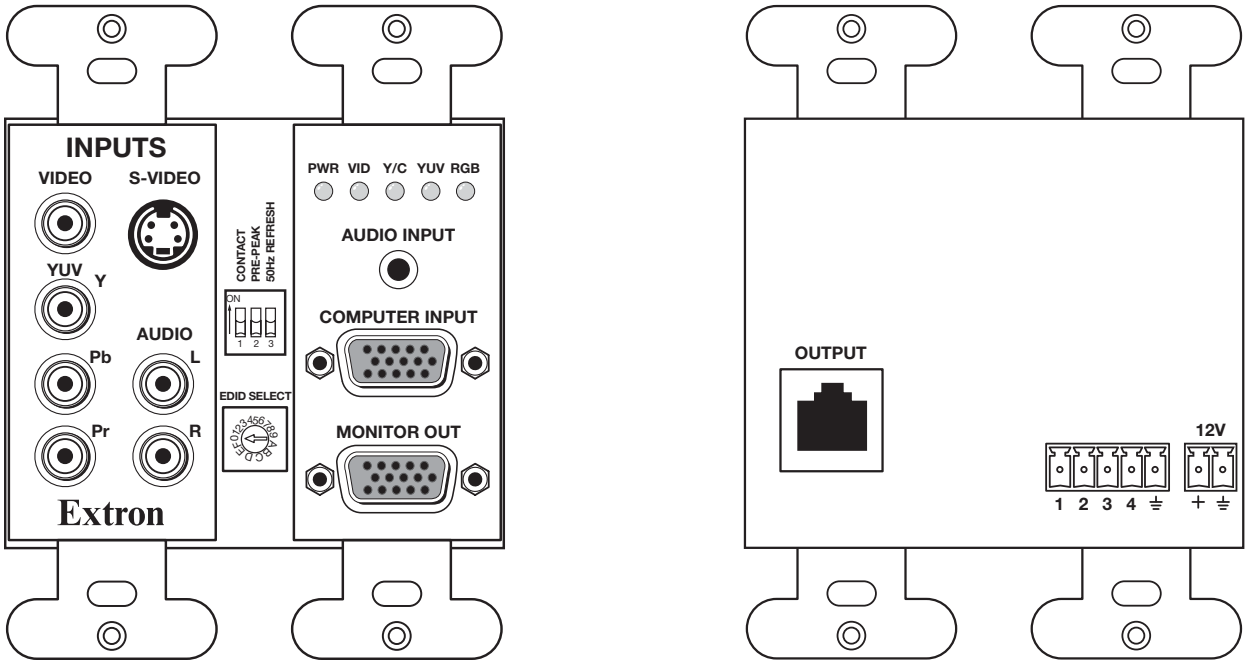
Model	Version Description	Part number
MTP U T A D	MTP Twisted Pair Universal Transmitter	60-1025-01
Universal Receivers		
MTP U R RSA SEQ	VGA, Video, Audio & RS-232 w/Skew EQ	60-869-01
MTP C7 U R RSA SEQ	VGA, Video, Audio & RS-232 w/Skew EQ	60-1016-01
MTP U R RS SEQ	VGA, Video & RS-232 w/Skew Equalization	60-869-02
MTP U R A	Video & Audio Universal Receiver	60-869-03

Specifications are subject to change without notice.

APPLICATION DIAGRAM



PANEL DRAWINGS



Front

Back

Extron **USA - West**
Headquarters
+800.633.9876
Inside USA / Canada Only
+1.714.491.1500
+1.714.491.1517 FAX

Extron **USA - East**
+800.633.9876
Inside USA / Canada Only
+1.919.863.1794
+1.919.863.1797 FAX

Extron **Europe**
+800.3987.6673
Inside Europe Only
+31.33.453.4040
+31.33.453.4050 FAX

Extron **Middle East**
+971.4.2991800
+971.4.2991880 FAX

Extron **Asia**
+800.7339.8766
Inside Asia Only
+65.6383.4400
+65.6383.4664 FAX

Extron **Japan**
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron **China**
+400.883.1568
Inside China Only
+86.21.3760.1568
+86.21.3760.1566 FAX

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